

METHOD OF AND DEVICE FOR BENDING GLASS PANES

Applicant: SAINT-GOBAIN GLASS FRANCE

ABSTRACT

The invention relates to a method of bending glass panes (2) heated to their softening temperature in the horizontal position, having the following characteristics:

- the panes (2) are heated to their bending temperature in a furnace,
- the panes (2) are brought between a concave bending frame (4), the shaping surfaces of which describe a smaller contour than the dimensions of the panes (2), and a convex upper form with a solid surface (3),
- the panes (2) are pressed between the bending frame (4) and the upper form (3) so that the panes (2) assume, at least at certain points, the contour of the upper form (3) (press-bending step 1),
- a ring-shaped final-bending frame (5), the shaping surfaces of which correspond to the final shape of the panes (2), is brought into contact with the protruding marginal regions of the panes (2), and the panes (2) are pressed against the upper form (3) (press-bending step 2),
- the panes (2) on which the bending operation has been completed are subjected to a cooling or quenching treatment.

(figure 3)